

Product datasheet for MR209532L3

Acad9 (NM_172678) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Acad9 (NM 172678) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Acad9

Synonyms: 2600017P15Rik; 4732402K02; C630012L17Rik; NPD002

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(MR209532).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_172678

ORF Size: 1875 bp



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Acad9 (NM_172678) Mouse Tagged Lenti ORF Clone - MR209532L3

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 172678.4</u>

 RefSeq Size:
 3934 bp

 RefSeq ORF:
 1878 bp

 Locus ID:
 229211

 UniProt ID:
 O8|ZN5

Cytogenetics: 3 B

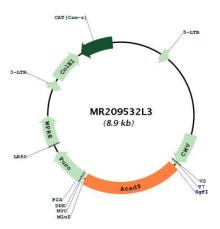
Gene Summary: Required for mitochondrial complex I assembly (By similarity). Has a dehydrogenase activity

on palmitoyl-CoA (C16:0) and stearoyl-CoA (C18:0). It is three times more active on palmitoyl-CoA then on stearoyl-CoA. However, it does not play a primary role in long-chain fatty acid oxidation (By similarity). Has little activity on octanoyl-CoA (C8:0), butyryl-CoA (C4:0) or

isovaleryl-CoA (5:0) (By similarity).[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MR209532L3